

Nixon & Vanderhye P. C.

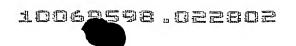
RULE 63 (37 C.F.R. 1.63) DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MATER COMPL	IAL FOR USE IN EXT	RACORPOREAL CIRCULA	TION, ADSORBENT,	REMOVAL UNIT AND	REMOVING	METHOD FOR D	ABETIC
the specific	ation of which (check ap	plicable box(s)):					
_	s attached hereto vas filed on		ac II C Amplication	m Carial Na		/A// =1.1 >1	_
	as filed as PCT Internation	onal application No. Po	as U.S. Application CT/JP00/06172	on	September ((Atty Dkt. No.	
and (if a	pplicable to U.S. or PCT	application) was amended on			_ ocptember (20, 2000	
37 C.F.R. below and which priority Fore	it referred to above. Fac 1.56. I hereby claim fore have also identified be ity is claimed or, if no prior eign Application(s):	ed and understand the co knowledge the duty to discle ign priority benefits under 3 low any foreign application rity is claimed, before the filin	ose information which is 35 U. S. C. 119/365 of for patent or inventor'	s material to the paten any foreign application s certificate baying a	tability of this	application in accord	ance with
Applica	tion Number		Country			Day/Month/Year	Filed
254463/	99		Japan			08 Septemb	er 1999
I hereby cla Applica	im the benefit under 35 U tion Number	I.S.C. § 119(e) of any United	d States provisional appli Date/Month/Year				· · · · · ·
U.S.C. 112 applications	, I acknowledge the dut and the national or PCT	5 U.S.C. 120/365 of all prior aims of this application is no y to disclose material infor international filing date of this	ot disclosed in such prid mation as defined in 3	r annlications in the m	anner provide	ad by the first navour	anh af 2F
Prior U.S Applicat	S./PCT Application(s): tion Serial No.		Day/Month/Year F	iled		Status: p pending, aba	
imprisonme application 22201-4714 address) in connected 31352; Ricl Leonard C. 32955; J. S 37334; Micl	or further that these state ent, or both, under Sectic or any patent issued to the telephone number (7 dividually and collective therewith and with the relation of the telephone number (7 dividually and collective therewith and with the relation of the telephone of telephone of the telephone of the telephone of the telephone of telephone of the telephone of the telephone of the telephone of telephone of the telephone of the telephone of the telephone of telephone of the telephone of the telephone of telephone of the telephone of telephon	made herein of my own knements were made with the on 1001 of Title 18 of the Ur hereon. And I hereby app 103)816-4000 (to whom allely my attorneys to prosect esulting patent: : Larry S. Mark E. Nusbaum, 32348 e. M. Byers, 33363; Jeffry H. Alan M. Kagen, 36178; Rojonald L. Jackson, 41090; Note 18 of 1990; Note 1990; No	knowledge that willful hited States Code and to ited NIXON & VANDE communications are ute this application an Nixon, 25640; Arthur F Michael J. Keenan, 3 Nelson, 30481; John F bert A. Molan, 29834; titchelle N. Lester, 3233	false statements and nat such willful false st RHYE_P.C., 1100 No to be directed), and to transact all busic. Crawford, 25327: J. 12106: Bryan H. Davic. Lastova, 33140; H. A. Frank P. Prestà. 1	the like so materials attements may but the Glebe R he following a ness in the Fames T. Hosr dson, 30251; Warren Burna	ade are punishable I / jeopardize the valid d., 8 th Floor, Arling ttorneys thereof (of the Patent and Tradema ner, 30184; Robert I Stanley C. Spooner m, Jr. 29366; Mary J	by fine or lity of the lity of
	Inventor: Residence: (city)	Shinji (first) Moriyama-shi, Shiga	MI	SHIMIZI (last) (state/country), Jai		Japanes (citizensh	
	Mailing Address: (Zip Code)	3-11-302, Katsube 4-chon 520-0041	ne, Moriyama-shi, Shiga	Japan X			
2.	Inventor's Signature:	Masahira	Mupota		Date:	Feb. 20. 2	002
	Inventor:	Masahiro (first)	A.A.I	KUBOTA		Japanes	e
	Residence: (city)	(iirst) Kusatsu-shi, Shiga	MI	(last) (state/country) Jar	oan	(citizensh	ip) .
	Mailing Address:	2-15-703, Kusatsu 2-chon	ne, Kusatsu-shi, Shiga, .	lapan NOV		-	
	(Zip Code)	525-0034		J			

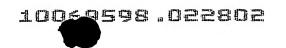
See attached sheet(s) for additional inventor(s) information!!





3.	Inventor's Signature:				Date:				
	Inventor:	Hideo (first)	MI	AKIYAMA (last)		Japanese (citizenship)			
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	Mailing Address:	31-22-S103, Tsunishi 1-chome	e, Kamakura-sh	ni Kanagawa, Japan					
	(Zip Code)	248-0034							
4.	Inventor's Signature:				Date:				
•••	Inventor:	Mina		USUI		Japanese			
		(first)	MI	(last)		(citizenship)			
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	(Zin Code)	242-0006							





Nixon & Vanderhye P. C.

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he spec	fication of which (check ap	plicable box(s)):					
	is attached hereto	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	was filed on		as U.S. Application Se	rial No.		itty Dkt. No.	
\boxtimes	was filed as PCT Internation		PCT/JP00/06172	on	September 08,	2000	
and (i	applicable to U.S. or PCT	application) was ame	nded on				
mendm 37 C.F.F below a which pr	ent referred to above. I ack . 1.56. I hereby claim foreind nd have also identified belo	nowledge the duty to gn priority benefits u bw any foreign appli	ne contents of the above identification disclose information which is mater as U. S. C. 119/365 of any faction for patent or inventor's cere the filing date of this application:	terial to the patenta foreign application	ability of this app (s) for patent or	olication in accorda inventor's certifica	nce with te listed
	cation Number		Country			Day/Month/Year	Filed
25446	3/99		Japan			08 Septembe	r 1999
	claim the benefit under 35 cation Number	U.S.C. § 119(e) of	any United States provisional app Date/Month/Year Filed		elow.		
he subje J.S.C. 1	ct matter of each of the cla	ims of this application to disclose material	Il prior United States and PCT into n is not disclosed in such prior app information as defined in 37 C.F ate of this application:	plications in the ma	anner provided l	by the first paragra	ph of 35
• •							
Pri r	U.S./PCT Application(s):					Status: par	tented
	U.S./PCT Application(s): eation Serial No.		Day/Month/Year Filed			Status: pa pending, aban	
hereby be true; mprison application application application and true; more application app	declare that all statements and further that these statement, or both, under Section or any patent issued the statement of th	ments were made with 1001 of Title 18 of hereon. And I hereb 03)816-4000 (to who with the management of the management o	own knowledge are true and that a fith the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY om all communications are to be prosecute this application and to try S. Nixon, 25640; Arthur R. Cr 32348; Michael J. Keenan, 3210; ffry H. Nelson, 30481; John R. La 8; Robert A. Molan, 29834; B. J. 190; Michelle N. Lester, 32331; F 31097; Gary T. Tanigawa, 43180	all statements made statements and the statements and the statements and the statements are statements. Te P.C., 1100 No edirected), and the transact all busing rawford, 25327; Jack Bryan H. David stova, 33149; H. V. Sadoff, 36663; Jugank P. Presta, 19 the SHIMIZU	the like so made atements may je rth Glebe Rd., ne following atto ness in the Pat ames T. Hosme dson, 30251; St Varren Burnam, ames D. Berqui 828; Joseph S.	pending, aban n and belief are belief are punishable be copardize the validit 8th Floor, Arling meys thereof (of the ent and Trademar r, 30184; Robert V anley C. Spooner, Jr. 29366; Mary J. st, 34776; Updeep Presta, 35329; Jo	doned lieved to y fine or or try of the ton, VA ne same k Office V. Faris, 27393; Wilson, o S. Gill, seeph A.
hereby be true; mprison ipplicati 12201-4 iddress) connecte 11352; f. e.eonard 12955; J. 17334; M.	declare that all statements and further that these statement, or both, under Section or any patent issued the statement of th	ments were made went 1001 of Title 18 of hereon. And I hereb 03)816-4000 (to who it) my attorneys to pesulting patent: Lai Mark E. Nusbaum, M. Byers, 33363; Jellan M. Kagen, 3617 natd L. Jackson, 41(26; Chris Comuntzis, Shinji (first)	own knowledge are true and that a tith the knowledge that willful false the United States Code and that s y appoint NIXON & VANDERHY om all communications are to be prosecute this application and to my S. Nixon, 25640; Arthur R. Cr. 232348; Michael J. Keenan, 3210; ffry H. Nelson, 30481; John R. La 8; Robert A. Molan, 29834; B. J. 290; Michelle N. Lester, 32331; F. 31097; Gary T. Tanigawa, 43180.	all statements made statements and to such willful false state P.C., 1100 No edirected), and the transact all busing trawford, 25327; Jefo; Bryan H. David stova, 33149; H. V. Sadoff, 36663; Jefonk P. Presta, 19 state P. Shimizu (last) ate/country) _Ja	the like so made atements may je rth Glebe Rd., ne following atto ness in the Pat ames T. Hosme dson, 30251; St Varren Burnam, ames D. Berqui 828; Joseph S.	pending, aban and belief are belief are punishable be copardize the validit 8th Floor, Arling meys thereof (of the and Trademar r, 30184; Robert V anley C. Spooner, Jr. 29366; Mary J. st, 34776; Updeep Presta, 35329; Jo	doned lieved to y fine or ity of the ton, VA ne same k Office V. Faris, , 27393; Wilson, o S. Gill, seeph A.
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3.	Inventor's Signature:	1 video >	- 00	Atulow	Date:	Feb. 19. 2002
	Inventor:	Hideo		AKIYA		Japanese
		(first)	Mi	(las	t)	(citizenship)
	Residence: (city)	Kamakura-shi, Kanagawa		(state/country) _	Japan	
	Mailing Address:	31-22-S103, Tsunishi 1-ch	ome, Kamakura-s	shi Kanagawa, Japan	70/	
	(Zip Code)	248-0034			1PX	
					7	
4.	Inventor's Signature:				Date:	
	Inventor:	Mina		USL	ال	Japanese
		(first)	MI	(lasi	t)	(citizenship)
	Residence: (city)	Yamato-shi, Kanagawa		(state/country)	Japan	
	Mailing Address:	17-4, Minamirinkan 8-chor	ne, Yamato-shi, K	anagawa, Japan		
	(Zin Code)	242-0006				





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Was filed as PCT International application No. PCTI/PD0/06172 on September 08, 2000									
and (if applicable to U.S. or PCT application) was amended on Increby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance will a property of the patentability of this application in accordance will a priority benefits under 35 U. S. C. 119/365 of any foreign application for patent or inventor's certificate thaving a filing date before that of the application or which priority is claimed or, if no priority is claimed, before the filing date of this application: **Papilication Rumber** **Country** **Day/Month/Year** **Country** **Day/Month/Year** **Day/Month/Year** **Japan** **08 September 1999 **Japan** **Os September 1999 **Japan** **Japan** **Japan** **Japan** **Japan**					tion Serial No.				
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance will applicate in the patent or inventor's certificate listee below and have also identified below any foreign application for patent or inventor's certificate is stephication for patent or inventor's certificate is stephication. The profity is claimed, the priority is claimed, before the fifting date of this application: Priority Foreign Application (s) in priority is claimed, before the fifting date of this application: Priority Foreign Application (s) in priority is claimed, before the fifting date of this application: Priority Foreign Application Number Country Day/Month/Year Filed 254463/99 Japan OB September 1999 Japa						on <u>Sep</u>	tember 08, 20	00	
amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 7 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U. S. C. 119/365 of any foreign application for priority is claimed or, in on priority is claimed, the no priority is claimed, the nor priority is claimed, the nor priority is claimed before the filing date of this application: Priority Foreign Application(s): Application Number Country Day/Month/Year Flied 254463/99 Japan 08 September 1999 hereby claim the benefit under 35 U.S.C. \$ 119(e) of any United States provisional application(s) listed below. Application Number Date/Month/Year Flied hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar an the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 31 S.C. 112, lacknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filling date of the prior applications and the national or PCT international filling date of this application: Prior U.S./PCT Application(s): Application Serial No. Day/Month/Year Flied Day/Month/Year Flied Status: patented pending, abandoned hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or business of any patent issued thereon. And I hereby application or any patent issued thereon. And I hereby application or any patent issued thereon. And I hereby application or any patent issued thereon. And I hereby application or Strange and the file so made are punishable by fine or business of a supplication or any patent issued thereon. And I	and (if a	applicable to U.S. or PCT	application) was amend	ded on			·		
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hereby claim the benefit under 35 U.S.C. \$ 119(e) of any United States provisional application(s) listed below. Application Number Date/Month/Year Filed hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar at he subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 31 J.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application: Prior U.S./PCT Application(s): Application Serial No. Day/Month/Year Filed Day/Month/Year Filed Prior U.S./PCT Application(s): Application Serial No. Day/Month/Year Filed Day/Month/Year Filed Prior U.S./PCT Application of the United States Code and that such willful false statements made are punishable by fine o mprisorment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements mey Report Autorial Prior, Arrington, V2 2201-4714, telephone number (703)816-4000 (to whom all communications are to be directed), and the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office Connected therewith and with the resulting patent: Larry S. Nixon, 2540; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris 13325; Richard G. Besha, 22770; Mark E. Nusbaum, 32248; Michael J. Keenan, 32106; Bryan Lovidson, 30251; Stanley C. Spooner, 27393-enard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 33149; H. Warren Burnarn, Jr. 29366; Mary J. Wilson, 3734; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michael B. N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Residence: (city) Mailing Address: (Life Conder Signature: Inventor: Signature: Inventor: Signatu	Applica	ation Number		Country	•		Da	y/Month/Year	Filed
Application Number Date/Month/Year Filed I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 3 U.S.C. 112, 1 acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prio applications and the national or PCT international filing date of this application: Prior U.S./PCT Application(s): Application Serial No. Day/Month/Year Filed Status: patented pending, abandoned I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine on miprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may leopardize the validity of the application or any patent issued thereon. And 1 hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8" Floor, Arlington, V/22201-4714, telephone number (703)816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Larry S. Nixon, 25540; Arthur R. Cradord, 25327; James T. Hosmer, 30194; Robert W. Faris 13052; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanter, C. Spooner, 27393 Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffry H. Nelson, 30481; John R. Lastova, 3149; H. Warren Burnam, Jr. 29366; Mary J. Wingship, States (Citizenship) Residence: (city) Mailing Address	254463	/99		Japan				08 September	1999
Prior U.S./PCT Application(s): Application Serial No. Day/Month/Year Filed Day/Month/Y	hereby control the subject	laim the benefit under 35 throatter of each of the class, I acknowledge the duty	U.S.C. 120/365 of all tims of this application to disclose material in	prior United States and is not disclosed in such pinformation as defined in	PCT international a	pplications the manne	listed above or provided by t	he first paragrap	oh of 35
Application Serial No. Day/Month/Year Filed pending, abandoned I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine of mprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And I hereby appoint NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, V22201-4714, telephone number (703)816-4000 (to whom all communications are to be directed), and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent:: Larry S. Nixon, 25640; Arthur R. Crawford, 25327; James T. Hosmer, 30184; Robert W. Faris 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Steenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393 (Sandard) and the resulting patent:: Larry S. Nixon, 30481; John R. Lastova, 33149; H. Warren Burnam, Jr. 29366; Mary J. Wilson 32955; J. Scott Davidson, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331; Frank P. Presta, 19828; Joseph S. Presta, 35329; Joseph A. Rhoa, 37515; Raymond Y. Mah, 41426; Chris Comuntzis, 31097; Gary T. Tanigawa, 43180* 1. Inventor's Signature:								3	
De true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine of mprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the properties of th				Day/Month/Yea	r Filed				
Inventor: Shinji (first) MI (last) (citizenship)	pe true; au mprisonmapplication 22201-471 address) i connected 31352; Riceonard C32955; J. 37334; Mi	nd further that these state tent, or both, under Section or any patent issued the state of the tent of	ements were made with n 1001 of Title 18 of th nereon. And I hereby 03)816-4000 (to whon ely my attorneys to pro esulting patent: Larry Mark E. Nusbaum, 32 M. Byers, 33363; Jeff Man M. Kagen, 36178; anald L. Jackson, 4109	h the knowledge that will be United States Code an appoint NIXON & VAN m all communications a osecute this application y S. Nixon, 25640; Arthu 2348; Michael J. Keenai fry H. Nelson, 30481; Joh i; Robert A. Molan, 2983 90; Michelle N. Lester, 33	ful false statements d that such willful fa DERHYE P.C., 11: re to be directed), and to transact al ir R. Crawford, 253: n, 32106; Bryan H. n R. Lastova, 3314; B. J. Sadoff, 36: 2331; Frank P. Pres	s and the litalse statem O North (and the followiness 327; James Davidson, 9; H. Warre 663; James	ke so made ar ents may jeop Glebe Rd., 8 th Illowing attorne in the Patent s T. Hosmer, 3 , 30251; Stanlen Burnam, Jr. s D. Berquist,	e punishable by ardize the validit 'Floor, Arlingt ys thereof (of the and Trademark 0184; Robert Wey C. Spooner, 29366; Mary J. 34776; Updeep	r fine or y of the on, VA e same c Office /. Faris, 27393; Wilson, S. Gill,
(first) MI (last) (citizenship) Residence: (city) Moriyama-shi, Shiga (state/country) Japan Mailing Address: (Zip Code) 520-0041 2. Inventor's Signature: Inventor: Masahiro (first) MI (last) (citizenship) Residence: (city) MS (last) (citizenship) Residence: (city) MI (last) (citizenship) Residence: (city) MI (last) (citizenship) Mailing Address: 2-15-703, Kusatsu 2-chome, Kusatsu-shi, Shiga, Japan	1.	Inventor's Signature:					Date:		
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⊠ See attached sheet(s) for additional inventor(s) information!!



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